

STATE OF DELAWARE
SINGLE POINT OF CONTACT – SPOC
INTERGOVERNMENTAL REVIEW OF FEDERAL PROGRAMS
Office of Management and Budget
Haslet Building, 3rd Floor, Dover, Delaware 19901
(302) 739-4206

1. STATE APPLICATION IDENTIFIER:

09-04-08-05 amendment

SPOC use ONLY

Month

Reviewer

CC's

2. Applicant Project Title: Energy House Construction Project *ARRA*

3. Applicant Department: Delaware Technical & Community College

4. Applicant Division/APU: Jack F. Owens Campus

5. Applicant Address: PO Box 610, Georgetown, DE 19947

6. Contact Person: Mimi S. Dupont

7. Contact Person's Phone Number: 302 855 5923

8. Signature of Secretary or Agency Head (for state agencies) or Chief Administrator (for all other applicants)

Dr. Orlando J. George, Jr.

9. Federal Grantor Department: Dept. of Commerce

10. Federal Sub-Agency: EDA

11. Federal Contact Person: Jerome Wallace

12. Phone Number: 215 597 2808

13. Address: The Curtis Center Suite 140 South, 601 Walnut Street, Philadelphia, PA 19106

14. Federal Program Title:

Public Works and Economic Facilities

15. FEDERAL CATALOG NO:
(CFDA)

11 300

16. Project Description:

Delaware Technical & Community College's Owens Campus, with private sector partners, will build Energy House, a learning center for alternative and renewable technologies, focusing on renewable energy products usable now in homes and workplaces, such as a living green roof, solar systems, wind generation equipment, radiant floor heating, geothermal options, and efficiency in construction and appliance usage. The facility will help educate consumers about sustainable design and renewable energy options, allowing students and the public to see and touch renewable energy in action.

17. Will funds be utilized for any technology initiatives? ☐ Yes ☒ No If so, Business Case Number and brief project summary:

18. Measurable Objectives:

a. What were last year's objectives?

N/A

b. Were these objectives met? (If not, please explain why)

N/A

c. What are this year's objectives?

To fully construct Energy House by summer 2010

(If more space is needed, please attach a separate sheet of paper)

19. Grant Period: From: June 15, 2009 To: June 14, 2010	20. How many years has this project been funded: N/A	21. If the project was funded last year, how much federal money was awarded? N/A
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22. Source of funding for this application:	Dollars
a. Federal grant	800,000
b. Other federal funds (Specify source of funding)	0
c. Required state contribution (Specify source of funding)	0
d. Discretionary state contribution (Specify source of funding)	0
e. Required local contribution (Specify source of funding) <i>Delaware Technical Community College / campus</i>	200,000
f. Other non- federal funds (Specify source of funding)	0
TOTAL	1,000,000

23. Budget by cost category and source:	Federal Funds	State Funds	Other Funds	Total Funds
Salaries & Fringe Benefits	0	0	0	0
Personal or Contractual Services	0	0	0	0
Travel	0	0	0	0
Supplies & Materials	0	0	0	0
Capital Expenditures -- Construction	800,000	0	200,000	1,000,000
Audit Fees	0	0	0	0
Indirect Costs	0	0	0	0
Other -- Partner Commitments, Land Value	0	0	0	0
TOTAL	800,000	0	200,000	1,000,000

24. How many positions are required for the project? (Exclude casual/seasonal employees) -- 0			
Breakdown of position(s)	Authorized in State Budget	New Positions Required	Total
Paid for out of federal funds	0	0	0
Paid for out of General Funds	0	0	0
Paid for out of state special funds	0	0	0
Paid for out of bond/local/other funds	0	0	0
TOTAL	0	0	0

25. PLEASE NOTE: On a separate piece of paper, please give position number, grade, yearly salary and percent of funding (federal, state, local, other) and the full-time equivalent for all positions required. Please identify the new positions by placing an asterisk before the position title. If this grant funds positions within other departments, divisions and/or offices, please list them. If a position has been reallocated to or from another grant please indicate the grant source.

OFFICE OF MANAGEMENT AND BUDGET
Budget Development, Planning and Administration
Preliminary Review

DATE: June 10, 2009
SAI NUMBER: 09-04-08-05
PROJECT TITLE: Energy House Construction Project
CFDA NUMBER: 11.300
APPLICANT: Delaware Technical and Community College
CONTACT PERSON: Mimi Dupont
ANALYST: Emily M. Falcon
DIRECTOR: Michael S. Jackson

REVIEW/COMMENT:

Delaware Technical and Community College (DTCC) is applying to the Department of Commerce, Economic Development Administration for \$400,000 through the Public Works and Economic Facilities program towards the construction of the Energy House. DTCC will use \$400,000 of its own resources and has secured an additional \$316,766 from community partners for a total project cost of \$1,116,766. No positions are associated with the grant. Audit fees and indirect costs are not applicable.

Energy House will be constructed on the Owens Campus in Sussex County. It will function as a learning center for alternative and renewable technologies, focusing on renewable energy products for residential and commercial applications. The facility will contain classrooms and labs that will provide training and education to students seeking work in these 'green collar' fields. The application indicates that the facility could be operational by summer 2010.

PERSONNEL IMPACT STATEMENT:

Not applicable.

CONSISTENCY STATEMENTS:

1. Executive Order Number 14, signed by Governor Minner on March 22, 2001; and "Delaware Strategies for State Policies and Spending," approved by the Cabinet Committee on State Planning Issues September 23, 2004:

This project is consistent with these documents.

2. Delaware Coastal Management Project:

Not applicable.

3. Delaware State Comprehensive Outdoor Recreation Plan:

Not applicable.

4. State of Delaware Housing Consolidated Plan:

Not applicable.

SAI NUMBER: 09-04-08-05
Page 2
June 10, 2009

5. State Agricultural Lands Preservation Policy:

Not applicable.

6. Title 29, Chapter 90C, Subchapter I, Section 9004C(8), Department of Technology and Information:

Not applicable.

7. Section 106, National Historic Preservation Act:

Not applicable.

8. Section 102, National Environmental Policy Act:

Not applicable.

9. U.S. Farmland Protection Policy Act, as amended:

Not applicable.

RECOMMENDATION:

I recommend approval of this grant request.

EF:ard

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RECEIVED
O.F.C. BUDGET AND BUDGET

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17. Will funds be utilized for any technology initiatives? ☐ Yes ☒ No If so, Business Case Number and brief project summary:

18. Measurable Objectives:

a. What were last year's objectives?

N/A

b. Were these objectives met? (If not, please explain why)

N/A

c. What are this year's objectives?

To fully construct Energy House by summer 2010

(If more space is needed, please attach a separate sheet of paper)

19. Grant Period: From: June 15, 2009 To: June 14, 2010	20. How many years has this project been funded: N/A	21. If the project was funded last year, how much federal money was awarded? N/A		
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22. Source of funding for this application:	Dollars
a. Federal grant	400,000
b. Other federal funds (Specify source of funding)	0
c. Required state contribution (Specify source of funding)	0
d. Discretionary state contribution (Specify source of funding)	0
e. Required local contribution (Specify source of funding)	0
f. Other non- federal funds College and partners (Specify source of funding)	716,766
TOTAL	1,116,766

23. Budget by cost category and source:	Federal Funds	State Funds	Other Funds	Total Funds
Salaries & Fringe Benefits	0	0	144,716	144,716
Personal or Contractual Services	0	0	0	0
Travel	0	0	0	0
Supplies & Materials	0	0	0	0
Capital Expenditures -- Construction	400,000	0	400,000	800,000
Audit Fees	0	0	0	0
Indirect Costs	0	0	0	0
Other -- Partner Commitments, Land Value	0	0	172,050	172,050
<i>ew</i> TOTAL	400,000	0	716,766	1,116,766

24. How many positions are required for the project? (Exclude casual/seasonal employees) -- 0			
Breakdown of position(s)	Authorized in State Budget	New Positions Required	Total
Paid for out of federal funds	0	0	0
Paid for out of General Funds	0	0	0
Paid for out of state special funds	0	0	0
Paid for out of bond/local/other funds	0	0	0
TOTAL	0	0	0

25. PLEASE NOTE: On a separate piece of paper, please give position number, grade, yearly salary and percent of funding (federal, state, local, other) and the full-time equivalent for all positions required. Please identify the new positions by placing an asterisk before the position title. If this grant funds positions within other departments, divisions and/or offices, please list them. If a position has been reallocated to or from another grant please indicate the grant source.

A.1. Investment (Project) Region

Identify and describe the region where the project will be located, identify and describe the region that will benefit from the project (if different from or in addition to the region in which the project will be located), and discuss the project's expected economic impact. For purposes of this application, a region is defined as "an economic unit of human, natural, technological, capital or other resources, defined geographically. Geographic areas comprising a region need not be contiguous or defined by political boundaries, but should constitute a cohesive area capable of undertaking self-sustained economic development." (See 13 C.F.R. § 300.3 for the definition of "Region.")

The latest Delaware DOL projections call for 300 energy and green building related jobs. Energy House will provide the classrooms and labs for the education and training needed to fill these jobs. The facility will be constructed with regional partners on the Delaware Tech Owens Campus in Sussex, the southernmost and most rural of Delaware's three counties. The campus works closely with the state and county Economic Development Offices, Sussex Economic Development Action Committee, business and industry and others to strengthen the area's economy. In particular, the groups come together annually for an economic conference to address challenges such as the announced layoff of 400 workers in Seaford (pop. 6699) and recent layoff of 60 in Selbyville (pop. 1645).

A.2. Investment (Project) Description

Provide a detailed description of the complete scope of work for the proposed EDA investment. If you are proposing a construction project, please include specific construction components. Also, for National Technical Assistance, Training and Research and Evaluation Projects, provide a description of the methodology to be used to complete the project.

Energy House will be a learning center for alternative technologies, focusing on renewable energy products for homes and workplaces. The 3,000-sq-ft house will feature a living green roof over the garage, solar systems, wind turbine, radiant floor heating, geothermal options, and efficiency in construction and appliance usage. The facility will house three first floor classrooms and a second floor green technologies lab, allowing students and the public to see and touch renewable energy in action. As a demonstration facility, Energy House will collect and provide data on costs and benefits of various forms of energy generation so students and the public can evaluate options and make decisions. The House will have see-through, glass-wall galleries showing the technologies in operation, which will allow demonstration of installation, operation and maintenance best practices.

Note: If EDA determines that your project merits further consideration, and if your project includes construction, you will be required to provide a USGS map of the site. You may provide this now using the 'Attachments' form that is part of the application package downloaded from www.Grants.gov or in hard copy.

✓

A.3. Economic Development Needs

- a. Does the region in which the project will be located have a Comprehensive Economic Development Strategy (CEDS)? (See www.eda.gov/ImageCache/EDAPublic/documents/pdfdocs2006/cedsflyer081706_2epdf/v1/cedsflyer081706.pdf.) (Note: Except for strategy grants as described in 13 C.F.R. § 303.7, the region in which Public Works or Economic Adjustment projects will be located must have a CEDS with which the project is consistent.)

☒ Yes

☐ No

If Yes, what is the source? Note: If you are unsure if your region has a CEDS, please contact your local District Organization.

Delaware Economic Development Office
See Delaware CEDS Final Report August 2006

If No, what alternate strategic planning document do you wish to govern this investment? Note: You will be asked to provide a copy of this planning document if your project is selected for further consideration. You may provide this now using the 'Attachments' form that is part of the application package downloaded from www.Grants.gov or in hard copy.

- b. Briefly describe the economic development needs of the region and how the proposed investment addresses the goals and objectives of the CEDS for the region or the alternate strategic planning document as noted above. (See 13 C.F.R. part 303.)

The Energy House Construction Project addresses the environmental protection, diversification and entrepreneurship, and the education and workforce development goals and objectives of the Sussex County CEDS Action Plan (see attached). As the Sussex CEDS Committee notes, the education and training of students should reflect the workforce demands of the county, which will lead to increased opportunities and incentive for long-term residents while attracting new businesses. Diversity of business is recognized by the Sussex CEDS Committee as a key to maintaining and expanding the county's long-term economic vitality. Creating incentives and strategies for people to invest and establish business through formal public/private collaboration is important in achieving this goal.

- c. Briefly describe the economic conditions of the region described in A.1, as well as the economic adjustment problems or economic dislocations the region has experienced (or is about to experience) and the regional impact of these conditions.

Sussex County had a Feb 2009 unemployment rate of 8.9% compared to 8.1% in the U.S. and 7.4% statewide (Delaware DOL). The county has 25 small towns; the largest U.S. Census 2000 population was Seaford at 6,699, which is experiencing a layoff of 400 from a major employer. A Selbyville (pop 1,645) company recently laid off 60. The county has an overabundance of low-paying, seasonal jobs because of the tourism industry; and suffers from brain drain as noted in the Sussex County Action Plan portion of the Delaware CEDS (see attached). Energy House will provide an opportunity to educate and train a workforce prepared to take higher-paying jobs in the green construction industry, which is growing along with the county's population.

A.4. Investment (Project) Impact and Fit with EDA Funding Priorities

Discuss how the proposed investment satisfies EDA's Investment Policy Guidelines as set forth in 13 C.F.R. § 301.8, as well as the EDA funding priorities set forth in the applicable Federal Funding Opportunity (FFO) announcement on www.Grants.gov.

This project promotes promising opportunities for long-term economic growth in an emerging and fast growing field - renewable and alternative energy and green building; exhibits demonstrable, committed multi-jurisdictional support from leaders across all sectors (see commitment letters); could not occur without PWEDA funding because state funding is not available; yet only requests 35.8% of the total cost from EDA.

A.5. Applicant's Capability

Briefly describe the applicant's capability to administer, implement, and attract private sector investments to the project.

The college and campus have a 40-year history of working closely with business and industry to meet their workforce needs. The leading contributing partner company approached the campus about this partnership. The campus has many federal and state funded education and workforce training programs.

A.6. Proposed Time Schedule for the Project

Provide a proposed time schedule for completion of the project, including when (month/year) the project will begin and end. Explain any potential issues that could affect project implementation.

The college, campus and contributing partner companies are prepared to begin construction by June 15, 2009 and finish the project no later than late spring 2010.

A.7. Civil Rights

- a. Does the applicant understand and agree to comply with all applicable civil rights requirements (see 13 C.F.R. § 302.20), including the requirement to provide signed assurances of compliance? ☒ Yes ☐ No (explain below)

- b. Do identified "Other Parties" as defined in 13 C.F.R. § 302.20(b) understand and agree to comply with all applicable civil rights requirements, including the requirement to provide signed assurances of compliance? ☐ Yes ☐ No (explain below) ☒ Not Applicable (No Other Parties Identified)

A.8. Proposed Project Budget

- ☒ For Construction investments, complete Form SF-424C.
☐ For Non-Construction investments, complete Form SF-424A.



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The National Map

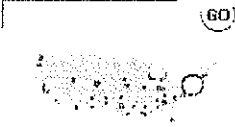
2 km W of Montgomery, Delaware, United States 9/24/1992

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Street

City

State



Longitude

Latitude

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OUT



IN

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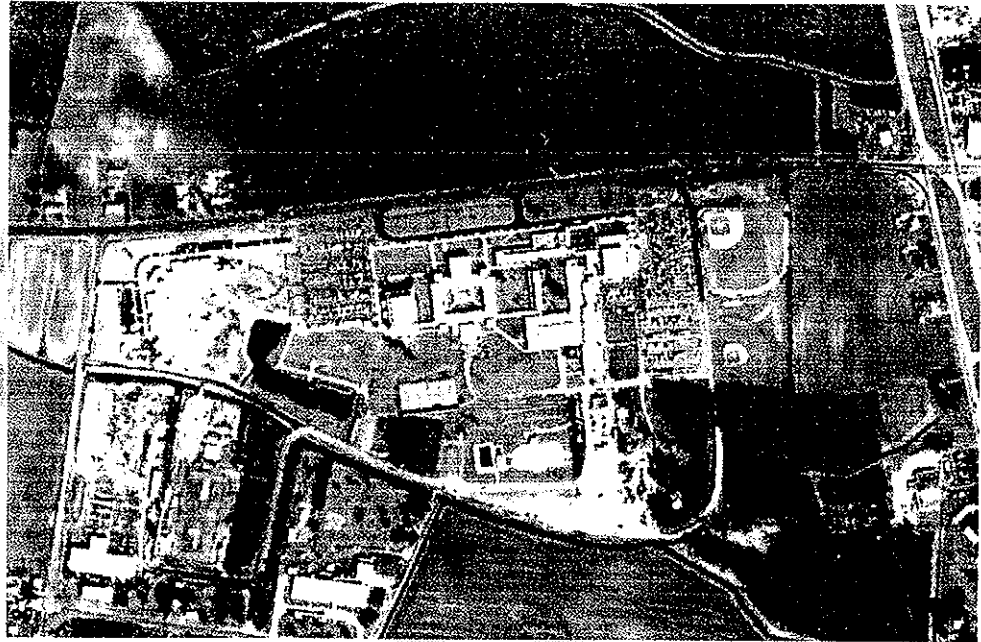
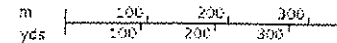
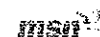
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Image courtesy of the U.S. Geological Survey



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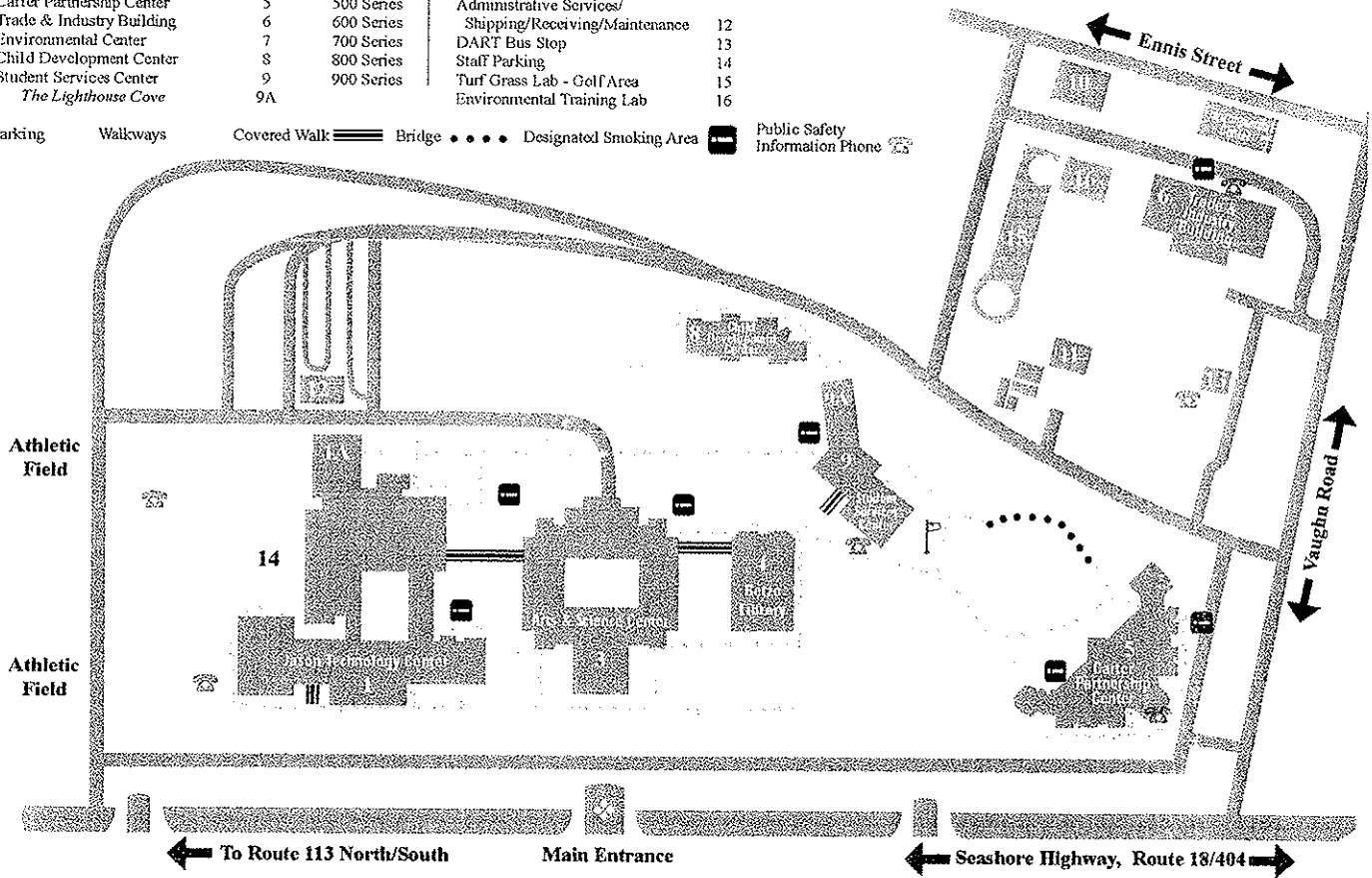
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Virtual Earth

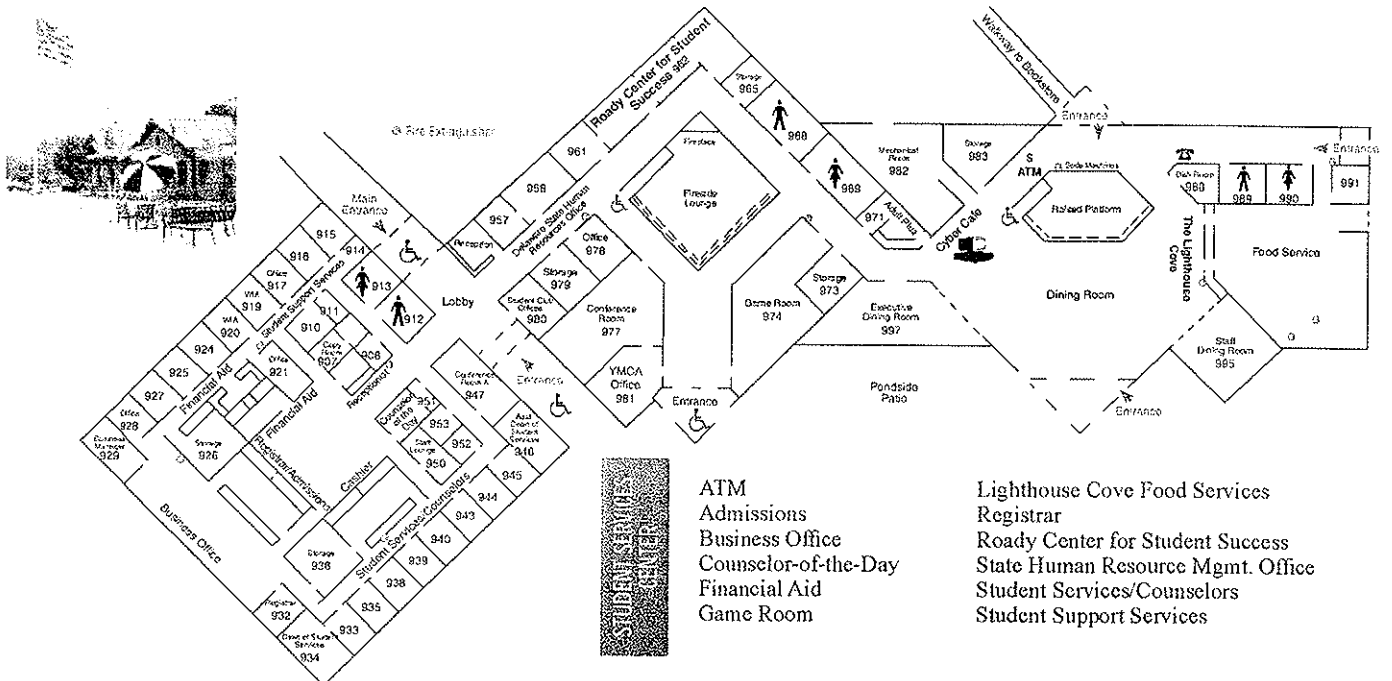
JACK P. OWENS CAMPUS OVERVIEW MAP

BUILDING	KEY	ROOMS	BUILDING	KEY
Jason Technology Center	1	001-199	Center for Language & Culture (International House)	10
Bookstore	1A		Applied Agriculture Building and Greenhouses	11
Arts & Science Center	3	300 Series	Administrative Services/ Shipping/Receiving/Maintenance	12
Stephen J. Betz Library	4	400 Series	DART Bus Stop	13
Carter Partnership Center	5	500 Series	Staff Parking	14
Trade & Industry Building	6	600 Series	Turf Grass Lab - Golf Area	15
Environmental Center	7	700 Series	Environmental Training Lab	16
Child Development Center	8	800 Series		
Student Services Center	9	900 Series		
The Lighthouse Cove	9A			

Parking Walkways Covered Walk Bridge Designated Smoking Area Public Safety Information Phone



STUDENT SERVICES CENTER



ATM
 Admissions
 Business Office
 Counselor-of-the-Day
 Financial Aid
 Game Room

Lighthouse Cove Food Services
 Registrar
 Roady Center for Student Success
 State Human Resource Mgmt. Office
 Student Services/Counselors
 Student Support Services

Sussex County Occupation Projections: 2006 – 2016
Select Energy Related Occupations

Job Title	2006 Estimated Employment	2016 Projected Employment	Annual Growth	Annual Openings*
Management Occupations				
Construction Managers	305	349	1.36%	9
Engineering Managers	32	36	1.18%	1
Business and Financial Operations Occupations				
Cost Estimators	206	250	1.95%	8
Management Analysts	48	62	2.59%	2
Architecture and Engineering Occupations				
Architects, Except Landscape and Naval	39	45	1.44%	2
Surveyors	55	72	2.73%	4
Civil Engineers	179	219	2.04%	9
Electrical Engineers	22	29	2.80%	2
Mechanical Engineers	38	39	0.26%	1
Architectural and Civil Drafters	58	66	1.30%	3
Electrical and Electronics Drafters	14	18	2.54%	0
Electrical and Electronic Engineering Technicians	29	37	2.47%	2
Surveying and Mapping Technicians	48	63	2.76%	3
Landscaping and Groundskeeping Workers	1147	1461	2.45%	46
Sales and Related Occupations				
Real Estate Brokers	214	217	0.14%	3
Real Estate Sales Agents	790	809	0.24%	15

Office and Administrative Support Occupations				
Meter Readers, Utilities	33	35	0.59%	1
Farming, Fishing, and Forestry Occupations				
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	1087	1059	-0.26%	27
Construction and Extraction Occupations				
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	641	692	0.77%	14
Brickmasons and Blockmasons	164	175	0.65%	4
Carpenters	1444	1545	0.68%	30
Cement Masons and Concrete Finishers	190	212	1.10%	8
Construction Laborers	1066	1204	1.22%	22
Operating Engineers and Other Construction Equipment Operators	287	327	1.31%	10
Drywall and Ceiling Tile Installers	52	54	0.38%	1
Electricians	349	375	0.72%	12
Insulation Workers, Floor, Ceiling, and Wall	58	61	0.51%	1
Painters, Construction and Maintenance	185	201	0.83%	5
Plumbers, Pipefitters, and Steamfitters	533	591	1.04%	17
Sheet Metal Workers	150	168	1.14%	6
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	36	39	0.80%	1
Helpers--Electricians	153	160	0.45%	5
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	79	90	1.31%	3

Construction and Building Inspectors	32	39	2.00%	2
Installation, Maintenance, and Repair Occupations				
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	340	383	1.20%	10
Electrical Power-Line Installers and Repairers	93	122	2.75%	6
Helpers--Installation, Maintenance, and Repair Workers	82	101	2.11%	4
Production Occupations				
Electrical and Electronic Equipment Assemblers	41	43	0.48%	1
TOTAL ANNUAL OPENINGS				300

* Includes both openings due to growth and due to net replacements.